

Pesticide Sample Data Summary Package Cover Sheet

Client: FOSTER WHEELER
Project: ROXANNA MARSH
SDG: 920839

Case Narrative

Client FOSTER WHEELER
Project Name ROXANNA MARSH
Project Number 1980.0208.0100
SDG 920839
Fraction PEST/PCB

Lab Number	Sample ID	Collect Date	Rec Date	Matrix
920839-001	FW-RM-15-SS	3/19/2002	3/21/2002	SOIL
920839-002	FW-RM-10-SS	3/19/2002	3/21/2002	SOIL
920839-003	FW-RM-12-SS	3/19/2002	3/21/2002	SOIL
920839-004	FW-RM-16-SS	3/19/2002	3/21/2002	SOIL
920839-005	FW-RM-02-SS	3/19/2002	3/21/2002	SOIL
920839-006	FW-RM-06-SS	3/19/2002	3/21/2002	SOIL
920839-007	FW-RM-05-SS	3/19/2002	3/21/2002	SOIL
920839-008	FW-RM-17-SS	3/19/2002	3/21/2002	SOIL
920839-009	FW-RM-07-SS	3/19/2002	3/21/2002	SOIL
920839-010	FW-RM-08-SS	3/19/2002	3/21/2002	SOIL
920839-011	FW-RM-09-SS	3/19/2002	3/21/2002	SOIL
920839-012	FW-RM-01-SS	3/19/2002	3/21/2002	SOIL
920839-013	FW-RM-04-SS	3/19/2002	3/21/2002	SOIL
920839-014	FW-RM-01-SSMS	3/19/2002	3/21/2002	SOIL
920839-015	FW-RM-03-SS	3/19/2002	3/21/2002	SOIL
920839-017	FW-RM-08-CS-2.3-4.4	3/19/2002	3/21/2002	SOIL
920839-018	FW-RM-08-CS-1-2.3	3/19/2002	3/21/2002	SOIL
920839-019	FW-RM-09-CS-1-3.5	3/19/2002	3/21/2002	SOIL
920839-020	FW-RM-09-CS-3.5-4.9	3/19/2002	3/21/2002	SOIL
920839-021	FW-RM-17-CS-0-1.5	3/19/2002	3/21/2002	SOIL
920839-022	FW-RM-RB-01	3/19/2002	3/21/2002	WATER
920839-023	FW-RM-17-CS-1.5-3.5	3/19/2002	3/21/2002	SOIL
920839-027	FW-RM-01-SSMSD	3/19/2002	3/21/2002	SOIL
920839-028	MB1920839			SOIL
920839-029	MB1920839LCS			SOIL
920839-031	MB2920839			WATER

Lab Number	Sample ID	Collect Date	Rec Date	Matrix
920839-032	MB2920839LCS			WATER
920839-033	MB2920839LCSD			WATER

EN CHEM, INC.
CASE NARRATIVE - PESTICIDE ANALYSIS

Lab Report Number (SDG): 920839

Client: Foster Wheeler

Project Name: Roxanna Marsh

Project Number: 1980.0208.0100

1. RECEIPT

The samples were received on ice.

2. HOLDING TIMES

- A. **Sample Preparation:** All method holding times were met.
- B. **Sample Analysis:** All method holding times were met.

3. METHOD

Preparation: SW-846 3510C, SW-846 3550B

Analysis: SW-846 8081A

4. PREPARATION

Sample preparation proceeded normally.

5. ANALYSIS

- A. **Calibration:**
 - 1. **Initial verification:** All method acceptance criteria were met.
 - 2. **Continuing verification:** All method acceptance criteria were met.
- B. **Blanks:**
 - 1. **Method:** All in-house acceptance criteria were met.
- C. **Surrogates:** All in-house acceptance criteria were met. The laboratory Standard Operating Procedure (SOP) allows for one surrogate to fall outside the acceptance criteria. The recoveries of DCB which fall outside of the control criteria are believed to be related to matrix interferences. Due to the level of dilution at which samples FW-RM-17-SS and FW-RM-17-CS-0-1.5 were analyzed, the recovery criteria is not applicable. Sample FW-RM-04-SS may have been inadvertently triple spiked with surrogate spike solution. The recovery calculation was adjusted for this error. The sample was not re extracted as the hold time had expired.
- D. **Spikes:**
 - 1. **Lab Control Spike/Laboratory Control Spike Duplicate (LCS/LCSD):** The laboratory control spike (MB1920839LCS) associated to the soil samples met all in-house accuracy criteria. The laboratory control spike/laboratory control spike duplicate associated to the water sample (MB2920839LCS/MB2920839LCSD) met all in-house accuracy and precision criteria.
 - 2. **Matrix Spike / Matrix Spike Duplicate (MS/MSD):** Sample FW-RM-01-SS was designated as the matrix spike sample for this SDG. The matrix spike did not meet the accuracy acceptance criteria for Delta-BHC and Aldrin. The parent and spike sample results for these analytes were reported with an "N" data qualifier. The matrix spike duplicate did not meet the precision criteria for Heptachlor and 44'-DDD. The parent and spike sample results for these analytes were reported with an "**" data qualifier. All other accuracy and precision criteria were met.
- E. **Samples:** Sample analyses proceeded normally.
- F. **Dilutions:** Samples FW-RM-05-SS, FW-RM-17-SS and FW-RM-17-CS-0-1.5 were diluted due to matrix interferences.
- G. **Reanalysis:** None required for this SDG.
- H. **Comments:** The "X" data qualifier was used to indicate that an analyte was detected at a level between the laboratory method detection limit (MDL) and the project specific reporting limit reporting limit, but the relative percent difference (RPD) between the columns was greater than 100. In these cases the analyte was reported as not detected.

I certify that this data package is in compliance with the terms and conditions agreed to by **En Chem, Inc.** and by the client, both technically and for completeness, except for the conditions detailed above. The Laboratory Manager or his designee, as verified by the following signature, has authorized release of the data contained in this hard copy data package and in the computer-readable data submitted on diskette:

Signed: Lynn M Dieffenbach Date: 4-24-02
Name: Lynn M Dieffenbach Position: Project Manager

Organic Data Qualifiers

- B Analyte is present in the method blank. Method blank criteria is evaluated to the laboratory method detection limit. Additionally, method blank acceptance may be based on project specific criteria or determined from analyte concentrations in the sample and are evaluated on a sample by sample basis.
- C Elevated detection limit (see Sample Narrative).
- D Analyte value from diluted analysis.
- E Analyte concentration exceeds calibration range (see Sample Narrative).
- F Surrogate results outside control criteria or not available due to sample dilution.
- H(n) Extraction or analysis performed "n" days past holding time.
- J Qualitative evidence of analyte present: concentration detected is greater than the method detection limit but less than the reporting limit.
- K Detection limit may be elevated due to the presence of an unrequested analyte (see Sample Narrative).
- N Spiked sample recovery not within control limits.
- P The relative percent difference between the two columns for detected concentrations was greater than 40%.
- Q The analyte has been detected between the limit of detection (LOD) and limit of quantitation (LOQ). The results are qualified due to the uncertainty of analyte concentrations within this range.
- S The relative percent difference between quantitation and confirmation columns exceeds internal quality control criteria. Because the result is unconfirmed, it has been reported as a non-detect with an elevated detection limit.
- U The analyte was not detected above the reporting limit.
- W Sample received with headspace.
- X See Sample Narrative.
- & Laboratory Control Spike recovery not within control limits.
- * Duplicate analyses not within control limits.
- SUB1 Assay was subcontracted to an approved lab.
- SUB2 Assay was subcontracted to En Chem Green Bay WI Cert. #405132750.

(Please Print Legibly)

Company Name: Foster Wheeler

Branch or Location: Denver

Project Contact: Pam Mess

Telephone: 303-980-3519

Project Number: 1980.0203.0100

Project Name: Roxanne Gersh

Project State: Indiana

Sampled By (Print): Jennifer Hawley

Data Package Options
(please circle if requested)

Results Only

EnChem Level III (Subject to SurchARGE)
EnChem Level IV (Subject to SurchARGE)

LABORATORY ID
(Lab ID Only)

FIELD ID

DATE

TIME

MATRIX

COLLECTION

CHAIN OF CUSTODY

*Preservation Codes

A=None

B=ICL

C=H2SO4

D=HNO3

E=Encore

F=Methanol

G=NaOH

H= Sodium Bisulfate Solution

I= Other

FILTERED? (YES/NO)

PRESERVATION (CODE)*

A A A A A C C H

BOTTLES SENT

ANALYSES REQUESTED

TOTAL #

TESTS

RESULTS

REPORTS

MAIL INVOICE TO:

CLIENT COMMENTS

LAB COMMENTS

LAB UNIT

REGULATORY

PLATINUM

USTR

RORA

SDWA

NPDES

ERCCLA

NSF

SLUDGE

CHIROSOL

BIOLOGIA

SLUDGE

78315

Preservation Codes

A=None

B=ICL

C=H2SO4

D=HNO3

E=Encore

F=Methanol

G=NaOH

H= Sodium Bisulfate Solution

I= Other

FILTERED? (YES/NO)

PRESERVATION (CODE)*

A A A A A C C H

BOTTLES SENT

ANALYSES REQUESTED

TOTAL #

TESTS

RESULTS

REPORTS

MAIL INVOICE TO:

CLIENT COMMENTS

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78315

Preservation Codes

A=None

B=ICL

C=H2SO4

D=HNO3

E=Encore

F=Methanol

G=NaOH

H= Sodium Bisulfate Solution

I= Other

FILTERED? (YES/NO)

PRESERVATION (CODE)*

A A A A A C C H

BOTTLES SENT

ANALYSES REQUESTED

TOTAL #

TESTS

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RORA

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NSF

SLUDGE

CHIROSOL

BIOLOGIA

78315

Preservation Codes

A=None

B=ICL

C=H2SO4

D=HNO3

E=Encore

F=Methanol

G=NaOH

H= Sodium Bisulfate Solution

I= Other

FILTERED? (YES/NO)

PRESERVATION (CODE)*

A A A A A C C H

BOTTLES SENT

ANALYSES REQUESTED

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78315

Preservation Codes

A=None

B=ICL

C=H2SO4

D=HNO3

E=Encore

F=Methanol

G=NaOH

H= Sodium Bisulfate Solution

I= Other

FILTERED? (YES/NO)

PRESERVATION (CODE)*

A A A A A C C H

BOTTLES SENT

ANALYSES REQUESTED

TOTAL #

TESTS

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PLATINUM

USTR

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NPDES

ERCCLA

NSF

SLUDGE

CHIROSOL

BIOLOGIA

SLUDGE

CHIROSOL

BIO

Batch No.

920839

En Chem, Inc. Cooler Receipt Log

Project Name or ID Roxanna MarshNo. of Coolers: 3 Temps: 3, 2, 3 °CA. Receipt Phase: Date cooler was opened: 3/2/02By: RJC

- 1: Were samples received on ice? (Must be ≤ 6 C)..... YES NO²
 2. Was there a Temperature Blank?..... YES NO
 3: Were custody seals present and intact? (Record on COC)..... YES NO
 4: Are COC documents present?..... YES NO²
 5: Does this Project require quick turn around analysis?..... YES NO
 6: Is there any sub-work?..... YES NO
 7: Are there any short hold time tests?..... YES NO
 8: Are any samples nearing expiration of hold-time? (Within 2 days)..... YES¹ NO Contacted by/Who _____

B. Check-in Phase: Date samples were Checked-in: 3/2/02By: RJC

- 1: Were all sample containers listed on the COC received and intact?..... YES NO² NA
 2: Sign the COC as received by En Chem. Completed..... YES NO
 3: Do sample labels match the COC? YES NO²
 4: Check sample pH of preserved samples. (Not VOCs) Completed..... YES NO NA
 5: Do samples have correct chemical preservation?..... YES NO² NA
 6: Are dissolved parameters field filtered?..... YES NO² NA
 7: Are sample volumes adequate for tests requested? YES NO²
 8: Are VOC samples free of bubbles >6mm YES NO² NA
 9: Enter samples into logbook. Completed..... YES NO
 10: Place laboratory sample number on all containers and COC. Completed..... YES NO
 11: Complete Laboratory Tracking Sheet (LTS). Completed..... YES NO NA
 12: Start Nonconformance form. YES NO NA
 13: Initiate Subcontracting procedure. Completed..... YES NO NA
 14: Check laboratory sample number on all containers and COC. YES NO NA

Short Hold-time tests:

48 Hours or less	7 days	Footnotes
Coliform (6 hrs)	Flashpoint	1 Notify proper lab group immediately.
Hexavalent Chromium (24 Hrs)	TSS	2 Complete nonconformance memo.
BOD	Total Solids	
Nitrite or Nitrate	TDS	
Low Level Mercury	Sulfide	
Ortho Phosphorus	Free Liquids	
Turbidity	Total Volatile Solids	
Surfactants	Aqueous Extractable Organics- ALL	
Sulfite	Unpreserved VOC's	
En Core Preservation	Ash	
Color		

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-15-SS
Lab Sample Number : 920839-001
Lab Project Number : 920839

Submitter : FOSTER WHEELER
Report Date : 4/24/02
Collection Date : 3/19/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST		Prep Method: SW846 3550		Prep Date: 3/27/02		
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	44	60	ug/kg	J	4/10/02	SW846 8081A
4,4'-DDE	24	60	ug/kg	JP	4/10/02	SW846 8081A
4,4'-DDT	19	60	ug/kg	JP	4/10/02	SW846 8081A
Aldrin	< 30	30	ug/kg		4/10/02	SW846 8081A
alpha-BHC	< 30	30	ug/kg		4/10/02	SW846 8081A
alpha-Chlordane	13	300	ug/kg	JP	4/10/02	SW846 8081A
beta-BHC	7.0	30	ug/kg	J	4/10/02	SW846 8081A
delta-BHC	< 30	30	ug/kg		4/10/02	SW846 8081A
Dieldrin	< 60	60	ug/kg	X	4/10/02	SW846 8081A
Endosulfan I	< 30	30	ug/kg	X	4/10/02	SW846 8081A
Endosulfan II	< 60	60	ug/kg		4/10/02	SW846 8081A
Endosulfan sulfate	3.8	60	ug/kg	JP	4/10/02	SW846 8081A
Endrin	< 60	60	ug/kg		4/10/02	SW846 8081A
Endrin ketone	< 60	60	ug/kg		4/10/02	SW846 8081A
gamma-BHC (Lindane)	< 30	30	ug/kg		4/10/02	SW846 8081A
gamma-Chlordane	18	300	ug/kg	JP	4/10/02	SW846 8081A
Heptachlor	< 30	30	ug/kg		4/10/02	SW846 8081A
Heptachlor epoxide	< 30	30	ug/kg	X	4/10/02	SW846 8081A
Methoxychlor	< 300	300	ug/kg		4/10/02	SW846 8081A
Toxaphene	< 600	600	ug/kg		4/10/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-10-SS
Lab Sample Number : 920839-002
Lab Project Number : 920839

Submitter : FOSTER WHEELER
Report Date : 4/24/02
Collection Date : 3/19/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST		Prep Method: SW846 3550		Prep Date: 3/27/02		
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	50	54	ug/kg	J	4/10/02	SW846 8081A
4,4'-DDE	33	54	ug/kg	JP	4/10/02	SW846 8081A
4,4'-DDT	< 54	54	ug/kg		4/10/02	SW846 8081A
Aldrin	< 27	27	ug/kg		4/10/02	SW846 8081A
alpha-BHC	< 27	27	ug/kg		4/10/02	SW846 8081A
alpha-Chlordane	< 270	270	ug/kg	X	4/10/02	SW846 8081A
beta-BHC	6.2	27	ug/kg	J	4/10/02	SW846 8081A
delta-BHC	< 27	27	ug/kg		4/10/02	SW846 8081A
Dieldrin	12	54	ug/kg	JP	4/10/02	SW846 8081A
Endosulfan I	< 27	27	ug/kg	X	4/10/02	SW846 8081A
Endosulfan II	< 54	54	ug/kg		4/10/02	SW846 8081A
Endosulfan sulfate	6.2	54	ug/kg	JP	4/10/02	SW846 8081A
Endrin	< 54	54	ug/kg		4/10/02	SW846 8081A
Endrin ketone	< 54	54	ug/kg		4/10/02	SW846 8081A
gamma-BHC (Lindane)	< 27	27	ug/kg		4/10/02	SW846 8081A
gamma-Chlordane	15	270	ug/kg	JP	4/10/02	SW846 8081A
Heptachlor	< 27	27	ug/kg		4/10/02	SW846 8081A
Heptachlor epoxide	< 27	27	ug/kg	X	4/10/02	SW846 8081A
Methoxychlor	< 270	270	ug/kg		4/10/02	SW846 8081A
Toxaphene	< 540	540	ug/kg		4/10/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/24/02

Field ID : FW-RM-12-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-003

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/27/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	290	70	ug/kg		4/11/02	SW846 8081A
4,4'-DDE	< 70	70	ug/kg	X	4/11/02	SW846 8081A
4,4'-DDT	38	70	ug/kg	JP	4/11/02	SW846 8081A
Aldrin	< 35	35	ug/kg		4/11/02	SW846 8081A
alpha-BHC	< 35	35	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	120	350	ug/kg	J	4/11/02	SW846 8081A
beta-BHC	< 35	35	ug/kg		4/11/02	SW846 8081A
delta-BHC	< 35	35	ug/kg		4/11/02	SW846 8081A
Dieldrin	36	70	ug/kg	JP	4/11/02	SW846 8081A
Endosulfan I	12	35	ug/kg	J	4/11/02	SW846 8081A
Endosulfan II	< 70	70	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	34	70	ug/kg	JP	4/11/02	SW846 8081A
Endrin	< 70	70	ug/kg		4/11/02	SW846 8081A
Endrin ketone	< 70	70	ug/kg		4/11/02	SW846 8081A
gamma-BHC (Lindane)	2.8	35	ug/kg	JP	4/11/02	SW846 8081A
gamma-Chlordane	130	350	ug/kg	J	4/11/02	SW846 8081A
Heptachlor	< 35	35	ug/kg	X	4/11/02	SW846 8081A
Heptachlor epoxide	< 35	35	ug/kg	X	4/11/02	SW846 8081A
Methoxychlor	< 350	350	ug/kg		4/11/02	SW846 8081A
Toxaphene	< 700	700	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH
 Project Number : 1980.0208.0100
 Field ID : FW-RM-16-SS
 Lab Sample Number : 920839-004
 Lab Project Number : 920839

Submitter : FOSTER WHEELER
 Report Date : 4/24/02
 Collection Date : 3/19/02
 Matrix Type : SOIL
 WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST		Prep Method: SW846 3550		Prep Date: 3/27/02		
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	29	61	ug/kg	J	4/11/02	SW846 8081A
4,4'-DDE	16	61	ug/kg	JP	4/11/02	SW846 8081A
4,4'-DDT	14	61	ug/kg	JP	4/11/02	SW846 8081A
Aldrin	< 31	31	ug/kg		4/11/02	SW846 8081A
alpha-BHC	< 31	31	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	6.9	310	ug/kg	JP	4/11/02	SW846 8081A
beta-BHC	3.6	31	ug/kg	J	4/11/02	SW846 8081A
delta-BHC	< 31	31	ug/kg		4/11/02	SW846 8081A
Dieldrin	3.2	61	ug/kg	JP	4/11/02	SW846 8081A
Endosulfan I	< 31	31	ug/kg		4/11/02	SW846 8081A
Endosulfan II	< 61	61	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	3.7	61	ug/kg	JP	4/11/02	SW846 8081A
Endrin	< 61	61	ug/kg		4/11/02	SW846 8081A
Endrin ketone	< 61	61	ug/kg		4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 31	31	ug/kg		4/11/02	SW846 8081A
gamma-Chlordane	< 310	310	ug/kg	X	4/11/02	SW846 8081A
Heptachlor	< 31	31	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	< 31	31	ug/kg	X	4/11/02	SW846 8081A
Methoxychlor	< 310	310	ug/kg		4/11/02	SW846 8081A
Toxaphene	< 610	610	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/24/02

Field ID : FW-RM-02-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-005

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/27/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	160	59	ug/kg		4/11/02	SW846 8081A
4,4'-DDE	50	59	ug/kg	JP	4/11/02	SW846 8081A
4,4'-DDT	27	59	ug/kg	JP	4/11/02	SW846 8081A
Aldrin	< 29	29	ug/kg		4/11/02	SW846 8081A
alpha-BHC	< 29	29	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	34	290	ug/kg	JP	4/11/02	SW846 8081A
beta-BHC	14	29	ug/kg	J	4/11/02	SW846 8081A
delta-BHC	< 29	29	ug/kg		4/11/02	SW846 8081A
Dieldrin	< 59	59	ug/kg	X	4/11/02	SW846 8081A
Endosulfan I	< 29	29	ug/kg		4/11/02	SW846 8081A
Endosulfan II	< 59	59	ug/kg	X	4/11/02	SW846 8081A
Endosulfan sulfate	23	59	ug/kg	JP	4/11/02	SW846 8081A
Endrin	< 59	59	ug/kg		4/11/02	SW846 8081A
Endrin ketone	< 59	59	ug/kg		4/11/02	SW846 8081A
gamma-BHC (Lindane)	2.4	29	ug/kg	JP	4/11/02	SW846 8081A
gamma-Chlordane	42	290	ug/kg	JP	4/11/02	SW846 8081A
Heptachlor	< 29	29	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	< 29	29	ug/kg	X	4/11/02	SW846 8081A
Methoxychlor	< 290	290	ug/kg		4/11/02	SW846 8081A
Toxaphene	< 590	590	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/24/02

Field ID : FW-RM-06-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-006

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/27/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	49	47	ug/kg		4/11/02	SW846 8081A
4,4'-DDE	33	47	ug/kg	JP	4/11/02	SW846 8081A
4,4'-DDT	< 47	47	ug/kg		4/11/02	SW846 8081A
Aldrin	< 24	24	ug/kg		4/11/02	SW846 8081A
alpha-BHC	< 24	24	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	< 240	240	ug/kg	X	4/11/02	SW846 8081A
beta-BHC	5.3	24	ug/kg	J	4/11/02	SW846 8081A
delta-BHC	< 24	24	ug/kg		4/11/02	SW846 8081A
Dieldrin	< 47	47	ug/kg	X	4/11/02	SW846 8081A
Endosulfan I	< 24	24	ug/kg	X	4/11/02	SW846 8081A
Endosulfan II	< 47	47	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	16	47	ug/kg	J	4/11/02	SW846 8081A
Endrin	< 47	47	ug/kg		4/11/02	SW846 8081A
Endrin ketone	< 47	47	ug/kg		4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 24	24	ug/kg		4/11/02	SW846 8081A
gamma-Chlordane	25	240	ug/kg	JP	4/11/02	SW846 8081A
Heptachlor	< 24	24	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	< 24	24	ug/kg	X	4/11/02	SW846 8081A
Methoxychlor	23	240	ug/kg	J	4/11/02	SW846 8081A
Toxaphene	< 470	470	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/24/02

Field ID : FW-RM-05-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-007

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/27/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	790	330	ug/kg		4/12/02	SW846 8081A
4,4'-DDE	93	330	ug/kg	J	4/12/02	SW846 8081A
4,4'-DDT	< 330	330	ug/kg		4/12/02	SW846 8081A
Aldrin	< 170	170	ug/kg		4/12/02	SW846 8081A
alpha-BHC	< 170	170	ug/kg		4/12/02	SW846 8081A
alpha-Chlordane	27	1700	ug/kg	J	4/12/02	SW846 8081A
beta-BHC	47	170	ug/kg	JP	4/12/02	SW846 8081A
delta-BHC	< 170	170	ug/kg		4/12/02	SW846 8081A
Dieldrin	< 330	330	ug/kg		4/12/02	SW846 8081A
Endosulfan I	< 170	170	ug/kg		4/12/02	SW846 8081A
Endosulfan II	< 330	330	ug/kg	X	4/12/02	SW846 8081A
Endosulfan sulfate	< 330	330	ug/kg		4/12/02	SW846 8081A
Endrin	< 330	330	ug/kg		4/12/02	SW846 8081A
Endrin ketone	110	330	ug/kg	J	4/12/02	SW846 8081A
gamma-BHC (Lindane)	11	170	ug/kg	JP	4/12/02	SW846 8081A
gamma-Chlordane	71	1700	ug/kg	J	4/12/02	SW846 8081A
Heptachlor	< 170	170	ug/kg		4/12/02	SW846 8081A
Heptachlor epoxide	< 170	170	ug/kg	X	4/12/02	SW846 8081A
Methoxychlor	< 1700	1700	ug/kg		4/12/02	SW846 8081A
Toxaphene	< 3300	3300	ug/kg		4/12/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/24/02

Field ID : FW-RM-17-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-008

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/27/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 2400	2400	ug/kg		4/12/02	SW846 8081A
4,4'-DDE	< 2400	2400	ug/kg		4/12/02	SW846 8081A
4,4'-DDT	390	2400	ug/kg		4/12/02	SW846 8081A
Aldrin	< 1200	1200	ug/kg	J	4/12/02	SW846 8081A
alpha-BHC	< 1200	1200	ug/kg		4/12/02	SW846 8081A
alpha-Chlordane	< 12000	12000	ug/kg		4/12/02	SW846 8081A
beta-BHC	< 1200	1200	ug/kg		4/12/02	SW846 8081A
delta-BHC	< 1200	1200	ug/kg		4/12/02	SW846 8081A
Dieldrin	< 2400	2400	ug/kg		4/12/02	SW846 8081A
Endosulfan I	< 1200	1200	ug/kg		4/12/02	SW846 8081A
Endosulfan II	< 2400	2400	ug/kg		4/12/02	SW846 8081A
Endosulfan sulfate	< 2400	2400	ug/kg		4/12/02	SW846 8081A
Endrin	< 2400	2400	ug/kg		4/12/02	SW846 8081A
Endrin ketone	< 2400	2400	ug/kg		4/12/02	SW846 8081A
gamma-BHC (Lindane)	< 1200	1200	ug/kg		4/12/02	SW846 8081A
gamma-Chlordane	95	12000	ug/kg	J	4/12/02	SW846 8081A
Heptachlor	< 1200	1200	ug/kg		4/12/02	SW846 8081A
Heptachlor epoxide	< 1200	1200	ug/kg		4/12/02	SW846 8081A
Methoxychlor	1000	12000	ug/kg	JP	4/12/02	SW846 8081A
Toxaphene	< 24000	24000	ug/kg		4/12/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/24/02

Field ID : FW-RM-07-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-009

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/27/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	80	46	ug/kg		4/11/02	SW846 8081A
4,4'-DDE	29	46	ug/kg	JP	4/11/02	SW846 8081A
4,4'-DDT	19	46	ug/kg	J	4/11/02	SW846 8081A
Aldrin	< 23	23	ug/kg		4/11/02	SW846 8081A
alpha-BHC	< 23	23	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	< 230	230	ug/kg	X	4/11/02	SW846 8081A
beta-BHC	5.2	23	ug/kg	J	4/11/02	SW846 8081A
delta-BHC	< 23	23	ug/kg		4/11/02	SW846 8081A
Dieldrin	6.3	46	ug/kg	JP	4/11/02	SW846 8081A
Endosulfan I	< 23	23	ug/kg	X	4/11/02	SW846 8081A
Endosulfan II	< 46	46	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	18	46	ug/kg	JP	4/11/02	SW846 8081A
Endrin	< 46	46	ug/kg		4/11/02	SW846 8081A
Endrin ketone	< 46	46	ug/kg		4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 23	23	ug/kg		4/11/02	SW846 8081A
gamma-Chlordane	13	230	ug/kg	JP	4/11/02	SW846 8081A
Heptachlor	< 23	23	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	< 23	23	ug/kg	X	4/11/02	SW846 8081A
Methoxychlor	< 230	230	ug/kg		4/11/02	SW846 8081A
Toxaphene	< 460	460	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/24/02

Field ID : FW-RM-08-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-010

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST		Prep Method: SW846 3550		Prep Date: 3/27/02		
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	59	53	ug/kg		4/11/02	SW846 8081A
4,4'-DDE	13	53	ug/kg	JP	4/11/02	SW846 8081A
4,4'-DDT	140	53	ug/kg		4/11/02	SW846 8081A
Aldrin	< 26	26	ug/kg		4/11/02	SW846 8081A
alpha-BHC	< 26	26	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	5.7	260	ug/kg	JP	4/11/02	SW846 8081A
beta-BHC	4.1	26	ug/kg	J	4/11/02	SW846 8081A
delta-BHC	< 26	26	ug/kg		4/11/02	SW846 8081A
Dieldrin	< 53	53	ug/kg		4/11/02	SW846 8081A
Endosulfan I	< 26	26	ug/kg	X	4/11/02	SW846 8081A
Endosulfan II	< 53	53	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	18	53	ug/kg	JP	4/11/02	SW846 8081A
Endrin	< 53	53	ug/kg	X	4/11/02	SW846 8081A
Endrin ketone	< 53	53	ug/kg		4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 26	26	ug/kg		4/11/02	SW846 8081A
gamma-Chlordane	6.9	260	ug/kg	JP	4/11/02	SW846 8081A
Heptachlor	< 26	26	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	< 26	26	ug/kg	X	4/11/02	SW846 8081A
Methoxychlor	29	260	ug/kg	JP	4/11/02	SW846 8081A
Toxaphene	< 530	530	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/24/02

Field ID : FW-RM-09-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-011

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST		Prep Method: SW846 3550		Prep Date: 3/27/02		
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	90	73	ug/kg		4/11/02	SW846 8081A
4,4'-DDE	28	73	ug/kg	JP	4/11/02	SW846 8081A
4,4'-DDT	30	73	ug/kg	JP	4/11/02	SW846 8081A
Aldrin	< 37	37	ug/kg		4/11/02	SW846 8081A
alpha-BHC	< 37	37	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	19	370	ug/kg	JP	4/11/02	SW846 8081A
beta-BHC	14	37	ug/kg	JP	4/11/02	SW846 8081A
delta-BHC	< 37	37	ug/kg		4/11/02	SW846 8081A
Dieldrin	5.9	73	ug/kg	JP	4/11/02	SW846 8081A
Endosulfan I	6.2	37	ug/kg	JP	4/11/02	SW846 8081A
Endosulfan II	< 73	73	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	20	73	ug/kg	JP	4/11/02	SW846 8081A
Endrin	< 73	73	ug/kg	X	4/11/02	SW846 8081A
Endrin ketone	< 73	73	ug/kg		4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 37	37	ug/kg		4/11/02	SW846 8081A
gamma-Chlordane	14	370	ug/kg	JP	4/11/02	SW846 8081A
Heptachlor	< 37	37	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	< 37	37	ug/kg	X	4/11/02	SW846 8081A
Methoxychlor	31	370	ug/kg	J	4/11/02	SW846 8081A
Toxaphene	< 730	730	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/24/02

Field ID : FW-RM-01-SS

Collection Date : 3/19/02

Lab Sample Number : 920839-012

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/27/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	170	78	ug/kg	*	4/11/02	SW846 8081A
4,4'-DDE	85	78	ug/kg	P	4/11/02	SW846 8081A
4,4'-DDT	< 78	78	ug/kg	X	4/11/02	SW846 8081A
Aldrin	< 39	39	ug/kg	N	4/11/02	SW846 8081A
alpha-BHC	< 39	39	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	85	390	ug/kg	JP	4/11/02	SW846 8081A
beta-BHC	< 39	39	ug/kg		4/11/02	SW846 8081A
delta-BHC	< 39	39	ug/kg	N	4/11/02	SW846 8081A
Dieldrin	32	78	ug/kg	JP	4/11/02	SW846 8081A
Endosulfan I	9.6	39	ug/kg	JP	4/11/02	SW846 8081A
Endosulfan II	< 78	78	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	27	78	ug/kg	JP	4/11/02	SW846 8081A
Endrin	< 78	78	ug/kg		4/11/02	SW846 8081A
Endrin ketone	< 78	78	ug/kg		4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 39	39	ug/kg	X	4/11/02	SW846 8081A
gamma-Chlordane	100	390	ug/kg	JP	4/11/02	SW846 8081A
Heptachlor	< 39	39	ug/kg	*	4/11/02	SW846 8081A
Heptachlor epoxide	< 39	39	ug/kg	X	4/11/02	SW846 8081A
Methoxychlor	< 390	390	ug/kg		4/11/02	SW846 8081A
Toxaphene	< 780	780	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-04-SS
Lab Sample Number : 920839-013
Lab Project Number : 920839

Submitter : FOSTER WHEELER
Report Date : 4/24/02
Collection Date : 3/19/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST		Prep Method: SW846 3550		Prep Date: 3/27/02		
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	12	33	ug/kg	J	4/11/02	SW846 8081A
4,4'-DDE	5.0	33	ug/kg	J	4/11/02	SW846 8081A
4,4'-DDT	< 33	33	ug/kg		4/11/02	SW846 8081A
Aldrin	< 17	17	ug/kg		4/11/02	SW846 8081A
alpha-BHC	< 17	17	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	1.2	170	ug/kg	J	4/11/02	SW846 8081A
beta-BHC	0.99	17	ug/kg	JP	4/11/02	SW846 8081A
delta-BHC	< 17	17	ug/kg		4/11/02	SW846 8081A
Dieldrin	< 33	33	ug/kg		4/11/02	SW846 8081A
Endosulfan I	< 17	17	ug/kg		4/11/02	SW846 8081A
Endosulfan II	< 33	33	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	< 33	33	ug/kg		4/11/02	SW846 8081A
Endrin	< 33	33	ug/kg		4/11/02	SW846 8081A
Endrin ketone	< 33	33	ug/kg		4/11/02	SW846 8081A
gamma-BHC (Lindane)	< 17	17	ug/kg		4/11/02	SW846 8081A
gamma-Chlordane	2.1	170	ug/kg	J	4/11/02	SW846 8081A
Heptachlor	< 17	17	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	< 17	17	ug/kg	X	4/11/02	SW846 8081A
Methoxychlor	< 170	170	ug/kg		4/11/02	SW846 8081A
Toxaphene	< 330	330	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-03-SS
Lab Sample Number : 920839-015
Lab Project Number : 920839

Submitter : FOSTER WHEELER
Report Date : 4/24/02
Collection Date : 3/19/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST		Prep Method: SW846 3550		Prep Date: 3/27/02		
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	37	47	ug/kg	J	4/11/02	SW846 8081A
4,4'-DDE	14	47	ug/kg	JP	4/11/02	SW846 8081A
4,4'-DDT	< 47	47	ug/kg		4/11/02	SW846 8081A
Aldrin	< 24	24	ug/kg		4/11/02	SW846 8081A
alpha-BHC	< 24	24	ug/kg		4/11/02	SW846 8081A
alpha-Chlordane	7.0	240	ug/kg	JP	4/11/02	SW846 8081A
beta-BHC	3.9	24	ug/kg	J	4/11/02	SW846 8081A
delta-BHC	< 24	24	ug/kg		4/11/02	SW846 8081A
Dieldrin	< 47	47	ug/kg		4/11/02	SW846 8081A
Endosulfan I	< 24	24	ug/kg		4/11/02	SW846 8081A
Endosulfan II	< 47	47	ug/kg		4/11/02	SW846 8081A
Endosulfan sulfate	5.8	47	ug/kg	JP	4/11/02	SW846 8081A
Endrin	< 47	47	ug/kg	X	4/11/02	SW846 8081A
Endrin ketone	< 47	47	ug/kg		4/11/02	SW846 8081A
gamma-BHC (Lindane)	1.2	24	ug/kg	JP	4/11/02	SW846 8081A
gamma-Chlordane	8.6	240	ug/kg	JP	4/11/02	SW846 8081A
Heptachlor	< 24	24	ug/kg		4/11/02	SW846 8081A
Heptachlor epoxide	< 24	24	ug/kg	X	4/11/02	SW846 8081A
Methoxychlor	< 240	240	ug/kg		4/11/02	SW846 8081A
Toxaphene	< 470	470	ug/kg		4/11/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/24/02

Field ID : FW-RM-08-CS-2.3-4.4

Collection Date : 3/19/02

Lab Sample Number : 920839-017

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/27/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 24	24	ug/kg		4/12/02	SW846 8081A
4,4'-DDE	< 24	24	ug/kg		4/12/02	SW846 8081A
4,4'-DDT	< 24	24	ug/kg		4/12/02	SW846 8081A
Aldrin	< 12	12	ug/kg		4/12/02	SW846 8081A
alpha-BHC	< 12	12	ug/kg		4/12/02	SW846 8081A
alpha-Chlordane	< 120	120	ug/kg		4/12/02	SW846 8081A
beta-BHC	< 12	12	ug/kg		4/12/02	SW846 8081A
delta-BHC	< 12	12	ug/kg		4/12/02	SW846 8081A
Dieldrin	< 24	24	ug/kg		4/12/02	SW846 8081A
Endosulfan I	< 12	12	ug/kg		4/12/02	SW846 8081A
Endosulfan II	< 24	24	ug/kg		4/12/02	SW846 8081A
Endosulfan sulfate	< 24	24	ug/kg		4/12/02	SW846 8081A
Endrin	< 24	24	ug/kg		4/12/02	SW846 8081A
Endrin ketone	< 24	24	ug/kg		4/12/02	SW846 8081A
gamma-BHC (Lindane)	< 12	12	ug/kg		4/12/02	SW846 8081A
gamma-Chlordane	< 120	120	ug/kg		4/12/02	SW846 8081A
Heptachlor	< 12	12	ug/kg		4/12/02	SW846 8081A
Heptachlor epoxide	< 12	12	ug/kg		4/12/02	SW846 8081A
Methoxychlor	< 120	120	ug/kg		4/12/02	SW846 8081A
Toxaphene	< 240	240	ug/kg		4/12/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-08-CS-1-2.3
Lab Sample Number : 920839-018
Lab Project Number : 920839

Submitter : FOSTER WHEELER
Report Date : 4/24/02
Collection Date : 3/19/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST		Prep Method: SW846 3550		Prep Date: 3/27/02		
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 36	36	ug/kg		4/12/02	SW846 8081A
4,4'-DDE	< 36	36	ug/kg		4/12/02	SW846 8081A
4,4'-DDT	< 36	36	ug/kg		4/12/02	SW846 8081A
Aldrin	< 18	18	ug/kg		4/12/02	SW846 8081A
alpha-BHC	< 18	18	ug/kg		4/12/02	SW846 8081A
alpha-Chlordane	< 180	180	ug/kg		4/12/02	SW846 8081A
beta-BHC	< 18	18	ug/kg		4/12/02	SW846 8081A
delta-BHC	< 18	18	ug/kg		4/12/02	SW846 8081A
Dieldrin	< 36	36	ug/kg		4/12/02	SW846 8081A
Endosulfan I	< 18	18	ug/kg		4/12/02	SW846 8081A
Endosulfan II	< 36	36	ug/kg		4/12/02	SW846 8081A
Endosulfan sulfate	< 36	36	ug/kg		4/12/02	SW846 8081A
Endrin	< 36	36	ug/kg		4/12/02	SW846 8081A
Endrin ketone	< 36	36	ug/kg		4/12/02	SW846 8081A
gamma-BHC (Lindane)	< 18	18	ug/kg		4/12/02	SW846 8081A
gamma-Chlordane	< 180	180	ug/kg		4/12/02	SW846 8081A
Heptachlor	< 18	18	ug/kg		4/12/02	SW846 8081A
Heptachlor epoxide	< 18	18	ug/kg		4/12/02	SW846 8081A
Methoxychlor	< 180	180	ug/kg		4/12/02	SW846 8081A
Toxaphene	< 360	360	ug/kg		4/12/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/24/02

Field ID : FW-RM-09-CS-1-3.5

Collection Date : 3/19/02

Lab Sample Number : 920839-019

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/27/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 46	46	ug/kg		4/12/02	SW846 8081A
4,4'-DDE	< 46	46	ug/kg		4/12/02	SW846 8081A
4,4'-DDT	< 46	46	ug/kg		4/12/02	SW846 8081A
Aldrin	< 23	23	ug/kg		4/12/02	SW846 8081A
alpha-BHC	< 23	23	ug/kg		4/12/02	SW846 8081A
alpha-Chlordane	< 230	230	ug/kg		4/12/02	SW846 8081A
beta-BHC	< 23	23	ug/kg		4/12/02	SW846 8081A
delta-BHC	< 23	23	ug/kg		4/12/02	SW846 8081A
Dieldrin	< 46	46	ug/kg		4/12/02	SW846 8081A
Endosulfan I	< 23	23	ug/kg		4/12/02	SW846 8081A
Endosulfan II	< 46	46	ug/kg		4/12/02	SW846 8081A
Endosulfan sulfate	< 46	46	ug/kg		4/12/02	SW846 8081A
Endrin	< 46	46	ug/kg		4/12/02	SW846 8081A
Endrin ketone	< 46	46	ug/kg		4/12/02	SW846 8081A
gamma-BHC (Lindane)	< 23	23	ug/kg		4/12/02	SW846 8081A
gamma-Chlordane	< 230	230	ug/kg		4/12/02	SW846 8081A
Heptachlor	< 23	23	ug/kg		4/12/02	SW846 8081A
Heptachlor epoxide	< 23	23	ug/kg		4/12/02	SW846 8081A
Methoxychlor	< 230	230	ug/kg		4/12/02	SW846 8081A
Toxaphene	< 460	460	ug/kg		4/12/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH
Project Number : 1980.0208.0100
Field ID : FW-RM-09-CS-3.5-4.9
Lab Sample Number : 920839-020
Lab Project Number : 920839

Submitter : FOSTER WHEELER
Report Date : 4/24/02
Collection Date : 3/19/02
Matrix Type : SOIL
WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST		Prep Method: SW846 3550		Prep Date: 3/27/02		
Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 32	32	ug/kg		4/12/02	SW846 8081A
4,4'-DDE	< 32	32	ug/kg		4/12/02	SW846 8081A
4,4'-DDT	< 32	32	ug/kg		4/12/02	SW846 8081A
Aldrin	< 16	16	ug/kg		4/12/02	SW846 8081A
alpha-BHC	< 16	16	ug/kg		4/12/02	SW846 8081A
alpha-Chlordane	< 160	160	ug/kg		4/12/02	SW846 8081A
beta-BHC	< 16	16	ug/kg		4/12/02	SW846 8081A
delta-BHC	< 16	16	ug/kg		4/12/02	SW846 8081A
Dieldrin	< 32	32	ug/kg		4/12/02	SW846 8081A
Endosulfan I	< 16	16	ug/kg		4/12/02	SW846 8081A
Endosulfan II	< 32	32	ug/kg		4/12/02	SW846 8081A
Endosulfan sulfate	< 32	32	ug/kg		4/12/02	SW846 8081A
Endrin	< 32	32	ug/kg		4/12/02	SW846 8081A
Endrin ketone	< 32	32	ug/kg		4/12/02	SW846 8081A
gamma-BHC (Lindane)	< 16	16	ug/kg		4/12/02	SW846 8081A
gamma-Chlordane	< 160	160	ug/kg		4/12/02	SW846 8081A
Heptachlor	< 16	16	ug/kg		4/12/02	SW846 8081A
Heptachlor epoxide	< 16	16	ug/kg		4/12/02	SW846 8081A
Methoxychlor	< 160	160	ug/kg		4/12/02	SW846 8081A
Toxaphene	< 320	320	ug/kg		4/12/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/24/02

Field ID : FW-RM-17-CS-0-1.5

Collection Date : 3/19/02

Lab Sample Number : 920839-021

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/27/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 2300	2300	ug/kg		4/12/02	SW846 8081A
4,4'-DDE	< 2300	2300	ug/kg		4/12/02	SW846 8081A
4,4'-DDT	240	2300	ug/kg		4/12/02	SW846 8081A
Aldrin	< 1100	1100	ug/kg		4/12/02	SW846 8081A
alpha-BHC	< 1100	1100	ug/kg		4/12/02	SW846 8081A
alpha-Chlordane	< 11000	11000	ug/kg		4/12/02	SW846 8081A
beta-BHC	< 1100	1100	ug/kg		4/12/02	SW846 8081A
delta-BHC	< 1100	1100	ug/kg		4/12/02	SW846 8081A
Dieldrin	< 2300	2300	ug/kg		4/12/02	SW846 8081A
Endosulfan I	< 1100	1100	ug/kg		4/12/02	SW846 8081A
Endosulfan II	< 2300	2300	ug/kg		4/12/02	SW846 8081A
Endosulfan sulfate	< 2300	2300	ug/kg		4/12/02	SW846 8081A
Endrin	< 2300	2300	ug/kg		4/12/02	SW846 8081A
Endrin ketone	< 2300	2300	ug/kg		4/12/02	SW846 8081A
gamma-BHC (Lindane)	< 1100	1100	ug/kg		4/12/02	SW846 8081A
gamma-Chlordane	< 11000	11000	ug/kg		4/12/02	SW846 8081A
Heptachlor	< 1100	1100	ug/kg		4/12/02	SW846 8081A
Heptachlor epoxide	< 1100	1100	ug/kg		4/12/02	SW846 8081A
Methoxychlor	< 11000	11000	ug/kg	X	4/12/02	SW846 8081A
Toxaphene	< 23000	23000	ug/kg		4/12/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/24/02

Field ID : FW-RM-RB-01

Collection Date : 3/19/02

Lab Sample Number : 920839-022

Matrix Type : WATER

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3510

Prep Date: 3/27/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 0.30	0.30	ug/L		4/10/02	SW846 8081A
4,4'-DDE	< 0.30	0.30	ug/L		4/10/02	SW846 8081A
4,4'-DDT	< 0.30	0.30	ug/L		4/10/02	SW846 8081A
Aldrin	< 0.15	0.15	ug/L		4/10/02	SW846 8081A
alpha-BHC	< 0.15	0.15	ug/L		4/10/02	SW846 8081A
alpha-Chlordane	< 1.5	1.5	ug/L		4/10/02	SW846 8081A
beta-BHC	< 0.15	0.15	ug/L		4/10/02	SW846 8081A
delta-BHC	< 0.15	0.15	ug/L		4/10/02	SW846 8081A
Dieldrin	< 0.30	0.30	ug/L		4/10/02	SW846 8081A
Endosulfan I	< 0.15	0.15	ug/L		4/10/02	SW846 8081A
Endosulfan II	< 0.30	0.30	ug/L		4/10/02	SW846 8081A
Endosulfan sulfate	< 0.30	0.30	ug/L		4/10/02	SW846 8081A
Endrin	< 0.30	0.30	ug/L		4/10/02	SW846 8081A
Endrin ketone	< 0.30	0.30	ug/L		4/10/02	SW846 8081A
gamma-BHC (Lindane)	< 0.15	0.15	ug/L		4/10/02	SW846 8081A
gamma-Chlordane	< 1.5	1.5	ug/L		4/10/02	SW846 8081A
Heptachlor	< 0.15	0.15	ug/L		4/10/02	SW846 8081A
Heptachlor epoxide	< 0.15	0.15	ug/L		4/10/02	SW846 8081A
Methoxychlor	< 1.5	1.5	ug/L		4/10/02	SW846 8081A
Toxaphene	< 3.0	3.0	ug/L		4/10/02	SW846 8081A

- Analytical Report -

Project Name : ROXANNA MARSH

Submitter : FOSTER WHEELER

Project Number : 1980.0208.0100

Report Date : 4/24/02

Field ID : FW-RM-17-CS-1.5-3.5

Collection Date : 3/19/02

Lab Sample Number : 920839-023

Matrix Type : SOIL

Lab Project Number : 920839

WI DNR LAB ID : 113172950

Semivolatile Organic Results

SPECIAL PESTICIDE LIST

Prep Method: SW846 3550

Prep Date: 3/27/02

Analyte	Result	EQL	Units	Code	Analysis Date	Analysis Method
4,4'-DDD	< 27	27	ug/kg		4/12/02	SW846 8081A
4,4'-DDE	< 27	27	ug/kg		4/12/02	SW846 8081A
4,4'-DDT	3.1	27	ug/kg		4/12/02	SW846 8081A
Aldrin	< 13	13	ug/kg		4/12/02	SW846 8081A
alpha-BHC	< 13	13	ug/kg		4/12/02	SW846 8081A
alpha-Chlordane	< 130	130	ug/kg		4/12/02	SW846 8081A
beta-BHC	< 13	13	ug/kg		4/12/02	SW846 8081A
delta-BHC	< 13	13	ug/kg		4/12/02	SW846 8081A
Dieldrin	< 27	27	ug/kg		4/12/02	SW846 8081A
Endosulfan I	< 13	13	ug/kg		4/12/02	SW846 8081A
Endosulfan II	< 27	27	ug/kg		4/12/02	SW846 8081A
Endosulfan sulfate	< 27	27	ug/kg		4/12/02	SW846 8081A
Endrin	< 27	27	ug/kg		4/12/02	SW846 8081A
Endrin ketone	< 27	27	ug/kg		4/12/02	SW846 8081A
gamma-BHC (Lindane)	< 13	13	ug/kg		4/12/02	SW846 8081A
gamma-Chlordane	< 130	130	ug/kg		4/12/02	SW846 8081A
Heptachlor	< 13	13	ug/kg		4/12/02	SW846 8081A
Heptachlor epoxide	< 13	13	ug/kg		4/12/02	SW846 8081A
Methoxychlor	< 130	130	ug/kg		4/12/02	SW846 8081A
Toxaphene	< 270	270	ug/kg		4/12/02	SW846 8081A